

ABSTRACT

Systems and methods are disclosed for detecting neural, biological, or other electrical signals generated within a patient's body and processing those signals to generate a control signal that may control the delivery of a biologic, therapeutic, or other agent, such as a drug. Embodiments include a system having a sensor implanted in a patient's brain to detect neural signals used to control delivery of a drug to the patient. The system may also control an internal and/or external device, such as a prosthetic limb, and control delivery of a drug to increase the performance of the system and/or the controlled device.

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